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**(54) APPARATUS FOR PERFORMING JET PUMP
RISER PIPE REPAIRS**

(57) Abstract:

PROBLEM TO BE SOLVED: To disclose an apparatus for supporting the lower elbow assembly of a jet pump in a reactor pressure vessel(RPV) of a nuclear reactor and facilitating repair.

SOLUTION: A clamp apparatus 50 includes a lower clamp element 54 and an upper clamp element 56. The upper and lower elements 54 and 56 are configured to be positioned at the interface between the thermal sleeve 38 and the jet pump riser elbow 52. The upper and lower elements 54 and 56 include extended ridges 70, 72, 76 and 78 that are configured to fit in circumferential grooves 64 and 66 precisely machined into the sleeve-elbow assembly on opposing sides of the interface.

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